Previous references.

G.M. File No. 282 - 10

1910-11.

Serial Nos. 1- 25

(Genl. Misc.)

Later references.

GENERAL AND REVENUE SECRETARIAT.

Serial Nos. 1 – 25

Part B. for February 1912.

SUBJECT.

Invention of William Edward Harding & John Hunter of Australia for 'Improvements in chucks for rock drills & other purposes".

1. From Messrs. Harding & Hunter thro Mr. Subbanna. Letter Apply for leave to file a specification of the above named invention.
2. To Mr. Subbanna B.A. B.L. Advocate, Bangalore Lr. No. G.7155 of 9.6.11. Returns the power-of-attorney for supplying some omission
3. From — Do —— Letter of 12.6.11 Returns the Power of Attorney duly amended & attested?
4. To the Treasury Officer Bangalore dt. No G.7466 of 24.6.11 Forwards Rs. 10/- received vide sl. 1 & requests acknt.

K.N. Krishnaswamy Esq

5. To the Supdt of Stamps No. G. 7467 dy 24.6.11.
Forwards the power of attorney & Re.1 for being impressed with a general stamp of the value of Re.1 and returned.

6. To the State Geologist No. G. 7468 dy 24.6.11.
Forwards for report and return the application received with sl. 1.

7. From the Supdt of Stamps. No. 215 dy 27.6.11
Returns the Power of attorney duly stamped.

8. From the Treasury Officer Bangalore st. No. 432/82 dy 27.6.11
Acknowledges receipt of the sum of Rs. 10/ sent with sl. 4.

9. To the Supdt of Stamps. No. G. 34 dy 4.7.11.
Acknowledges receipt of the Power of Attorney received with sl. 7.

10. From the State Geologist No. 31 dy 6.7.11.
With reference to sl. 6 requests a copy of the specification of the invention referred to therein.

11. To the State Geologist No. G. 376 dy 18.7.11.
Forwards a copy of the specification required in sl. 10.

12. From the Asst. Commissioner ~~Bangalore~~ No. 505 dy 30-8-11.
With ref to sl. 6 Forwards the reports called for in sl. 6 above.

13. To B Subbanna Esq. Bangalore. No. 1656 dy 14.9.11.
Enquires what progress has been made in regard to a similar application proposed to be made in the United Kingdom, requests to be furnished with a certified copy of the order passed thereon and enquires whether any application has been made in British India.

14. From — Do — — letter dy 24.11.11
In reply to the above forwards duplicate of Reg[d] No. 237 of 1911 dy 7.6.11 of the Govt of India granting leave to file the specification.

15. To Messrs. S. Harding & John Hunter No. G. 3140 dy 1.12.11
Grants leave to file a specification of their invention.

G.R.S.11] 1911 - 11

GENERAL AND REVENUE SECRETARIAT

(Genl. Misc.)

Regr. no. 907. 1910-11. NOTES.

File No. 282

FILE HEADING.

Invention of Wm Edward Harding ~~Engineer~~ of Mount Hunter, N. Australia for Improvements in chucks for rock drills & other purposes

From

Messrs Harding & Hunter (Limd) M. B. Sutherland.

No. Dated — Received 29. 5. 1911

Diary No. 5036 | Enclos. 1 Power of attorney Spare Copies | Serial No. 1

BRIEF ABSTRACT OF LETTER.

Apply for leave to file a specification of this invention

NOTES AND ORDERS.

~~Subt. with the consent of~~ The Power of Attorney is defective.

1/6 (1.6.11) Dft 20th subt.

1.6.11 1/6/11. Issue 1/6/11

NOTES—First sheet

GPB—30,000—3-4-07.

G. R. S. 12]
General and Revenue Secretariat.

Fur File No. 282 of 1910

5195

Serial No.	
2	To Mr. B. Subbanna, B.A.B.L., Advocate, Bangalore. No. G. 7195 dt. 9. 6. 11. Returns the Power-of-Attorney rec'd with the ~~application~~ above retransmitted for insertion of the words "the said Mr. Subbanna" after "authorise" in the 2nd sentence thereof, and also attestation of the same &c.
3	From Mr. Subbanna. Letter dt. 12. 6. 1911. Returns the Power-of-Attorney duly amended and attested. H. Secy's order:- "We may accept this and proceed further with the case." (Sd). B. R. 12. 6. 1911. Draft subd. 15-6-11 bns. Approved for issue. 15/6/11
4.	To the Dc, Bangalore Jny deptt. No. G. 7466 dt. 24. 6. 11. Fds Rs 10/- recd with sl. 1 and requests ackmt.
5	To the Supdt of Stamps in mysore. No. G. 7467 dt. 24. 6. 11. Fds the power of attorney & Re 1/- recd with sl 1 for being impressed with a general Stamp of the value of Re 1/- & returned.

NOTE—Contn. sheet.

GPB—50,000—12-8-10

Serial No.	
6	To the State Geologist No G. 7468 d 24.6.11. Reqs for report and return the appln in sl 1 & invites attention this office no G. 1000/ Gen 82-04-2 d. 18.7.1904.
7	From the Supdt of stamps no 215 of 27.6.1911 Returns the Power of attorney duly stamped.
8	From the Treasury Officer, Bangalore no $\frac{432}{82}$ of 27.6.11 Acknowledges the receipt of the sum of Rs 10 sent with sl 4. Reply to sl. 7 sent.
	ks 29.6.11 Gen.
9	To the Supdt of Stamps No G 326 d 4.7.11 Acknowledges receipt of the power of Attorney returned with sl 7.
	Appd 30.6.11
	Gen
10	From the State Geologist. no 31 of 6.7.1911. With ref to sl 6 requests a copy of the specification of the invention referred to therein. There are two ~~other~~ others in the ref. file (Gen 82-04). A copy may be sent. Draft sent.
	ks (125) 8/7/11 Gen.
	Dsrat 10.7.11. Gen
	To the State Geologist No. G. 376 d. 18.7.11 Reqs a copy of the specification required in sl-10.

NOTE—Contn. sheet.

GPB—55,000—27-4-09

G. R. S. 12]
General and Revenue Secretariat.

GR File No. 282 of 1910-11

Serial No.	
971	12. From the Offg State Geologist no 509 of 30-8-11 With refce to sl. 6 forwards copy of a report from the Offg. Chief Inspector of Mines recommending the grant of leave in the present case, though the invention of W. C. Stephens referred to in sl. 6 is simpler & more practical.
	On sl. 1 the applicants have said that "an applⁿ in the United Kingdom" is being filed at the present time". May a copy of the order granted there be called for? Draft put up.
	Fs (125) 6.9.11 VS. 4/- Jesner 6.9.11
	13 To B. Subbanna Esqre, Bangalore. No G 1656 Dt 14-9-11.
	Enquiries With refce to sl 1, enquiries what progress has been made in regard to a similar applⁿ proposed to be made in the United Kingdom and requests to be furnished with a certified copy of the order passed thereon and also enquiries whether any applⁿ has been made in Br: India.
GR 2	14. From Mr. B. Subbanna, Bangalore. Letter Dt 24. 11. 11.
	In reply to the above, forwards duplicate of Register No. 237 of 1911 Dt 7th June 1911, of the Govt of India, granting leave to file the specification.
	What has become been the result of the applⁿ made in the United Kingdom is not understood.
	The Offg Chief Inspector of Mines, whose opinion has been forwarded by the State Geologist (Enclosure to sl 12)

No 509 Dt 30-8-11.

NOTE—Contn. sheet.

GPB—50,000—12-8-10

G. R. & S. 12]
General and Revenue Secretariat.

Gen File No. 282 of 1910-11

Serial No.	
	recommends the grant of leave to file the specification 2 Drafts subd for approval or other orders.
2282	G1499 28.11.11 VS. 41
	Drafts appd. Issue leave to file the Specification. The Govt of India have sanctd the Specification, and it is unnecessary to make further enquiries re application in the United Kingdom
	28/11/11
15	To Messrs W. E. Harding & John Hemlet No. G 3140 & 181 December 1911
	Grants leave to file a specification of the above invention
16	To. B. Subbanna Esq. B.A., B.L., No. G 3141 & 1.12.1911.
Gen	Encloses the above, and returns the enclosure to Serial No 14.
17	From Mr. B. Subbanna, Advocate. Letter & 5. 1. 12.
	Forwards Rs 30 and 4 copies of the specification & requesting the filing of the specification.
2814	The usual Drafts are submitted. The anticipation no subd G1499 11.1.12 the foot of the order (draft & fair) requires signatn
	Issue 12.1.12

NOTE— Contn. sheet.

GPB—50,000—12-8-10

Serial No.	
18	To. The Compiler, Mysore Gazette No G 3744 & 17.1.12. Notifies the filing of the Specification of the above invention in accordance with Section 8 to 11 of Regulation XI of 1894
19	To. B. Subbarama Esqr. Advocate, No G 3745 & 17.1.12. With refee to sl 17 forwards copy of sl 18 for communication to the Party concerned. The order granting permission is also returned with the necessary certificate at foot
20	To. The Chief Engineer, Supdt. Govt. Museum, State Geologist No G 3746-8 & 17th January 1912 Forwards for record in his Office a copy of the Specification of the above invention received with sl 17.
21	To. The Dist Treasury Officer. Bangalore. No G 3749 & 17.1.12 Forwards Rs 30/- being the fee for filing the Specification and requests acknowledgment
22	From the Dt Treasury Off, Bangalore. No. 24 & 18.1.12. Acknowledges the receipt of the amount forwarded with the above. Acknowledgments from the Chief Engineer, Museum Supdt and State Geologist for the receipt of the Specification

298

GPB—50,000—12-8-10

(7)

Serial No.

forwarded with them with Rc 20, may be awaited

Subd
G/A 99
20.1.12
VS.41

Yes
M
20.1.12

2998

8m

23 From the State Geologist. No. 1258 Dy 22.1.12

24 Do Acknowle Supdt, Govt Museum. No 94 Dy 23.1.12.

Acknowledge the receipt of the copy of the specifica-
forwarded with Rc 20.

The receipt of acknowledgment from the Chief-
Engineer may be awaited.

Subd
G/A 99
25.1.12
VS.41

Yes
M
25.1.12

8m

25 From the Chief Engineer No. 841 Dy 29.1.12

Acknowledges the receipt of the copy of the specfn.
forwarded with Rc 20.

The correspondence may now be recorded

Subd.
G/A 99
5.2.12
VS.41

Yes
M
7.2.12

KeeB
8-2-12

NOTE—Contn. sheet.

Recd. 29/5/14 with certificate

ORIGINAL

D 5036
C

(1)

Reg. no 9 of 1960-1

THE SECOND SCHEDULE.

Application where Patent or Exclusive Privilege has ~~been~~ been acquired.

TO THE DEWAN of MYSORE .

This application of WILLIAM EDWARD HARDING, Engineer and JOHN HUNTER, Underground Manager, both of Davyhurst, in the State of Western Australia, Commonwealth of Australia, for leave to file a specification under Part 1 of the Mysore Inventions and Designs Regulation, 1894.

1. The applicants are in possession of an invention for CHUCKS for ROCK DRILLS and other purposes, they are the inventors thereof, and, to the best of their information and belief, the invention is new within the meaning of Part 1 of the Mysore Inventions and Designs Regulation, 1894, and no circumstance exists which, if the applicants are authorized to file a specification and file it in accordance with that Part will disentitle them to an exclusive privilege thereunder in respect of the invention. No application has been made in the United Kingdom; but one is being filed at the present time.

2. The following is a description of the invention:-

This invention relates to improvements in chucks for rock drills and other purposes whereby the drill steel may be held without the necessity of shanking the steel. The chuck being self gripping and self centering and such that it is held securely while in motion and is easily removed from the chuck when required.

In order that our invention may be clearly understood both as to its construction and method of operation we will describe the same by the aid of the accompanying illustrations, in which.-

Fig 1 is an elevation, partly in section, of our chuck bush as used in a rock drill.

Fig. 2 is an elevation of the same at right angles to Fig 1

Fig. 3 is a plan of the same.

Fig. 4 is a sectional view of the chuck bush in a rock drill chuck head.

Fig. 5 is a plan of the same.

Fig. 6 is an elevation of the chuck bush as used for other purposes such as stamp batteries.

Fig. 7 is an elevation, partly sectional, of the same at right angles to Fig. 6.

Fig. 8 is a plan of the same.

Fig. 9 is a sectional view of the chuck bush as applied to stamp batteries.

Fig. 10 is a plan of the same.

Similar characters are used throughout the drawings to indicate corresponding parts wherever they occur.

For the purpose of our invention we construct a cylindrical chuck head with a tapered socket (1) as shewn in Figs. 4, 5, 9 and 10, and having a cotter hole (2) through it at right angles to the centre of the tapered socket and intersecting the base of the said socket.

This portion of the apparatus is similar to the sockets used in drilling machines for the purpose of holding the tapered shanks of Morse drills and in stamper battery heads for the purpose of holding the shank.

We now construct a split bush as (3) the outer surface of which is shaped to fit into the tapered socket (1)whilst the internal part is recessed to within a short distance of the small end to receive the drill steel or other shank. We make a solid portion or ledge (4) in the small end of the chuck bush, against which the end of the shank contacts and drives the bush into the socket, and we cut a considerable portion out of the centre of the bush to permit it to grip the shank securely when it is driven into the tapered socket. In rock drills and such machines where it is necessary to frequently change the tool, we flatten two sides of the chuck bush (5) and fit pins (6) through the chuck head as shewn in Figs 4 and 5, to prevent the chuck bush from falling out of the chuck head, we also bevel the edge of the bush as at (12) to avoid cutting the cotter.

We have shewn in our illustrations a chuck head attached th the rock drill piston rod (7) by means

or the tapered end and socket with a cotter hole (2) as a means of detaching the chuck head, but we may make our chuck head as a portion of the piston rod or it may be welded to it.

In Fig. 9 we have shewn a portion of a battery shank (10) fitted into a stamper battery head (9),

The chuck socket and split bush may be made of pyramidal shape instead of coned and the bush socket may be made round, square, cruciform, or polygonal to hold the particular form of shank required without departing from the essential features of our invention.

In practice we find the cone shaped tapered socket and the cylindrical bore in the split bush the most suitable form and sufficient for most purposes.

With this chuck there are no bolts or fittings that can cause trouble by becoming loose and in the case of machines such as rock drills no part of the machine can become detached and be mislaid.

The method of operation of our invention is as follows.-

In rock drills and the like the shank of the drill is placed in the recess of the split chuck bush and the end of the shank contacts with the solid end (4) which carries the bush into the tapered socket so that very little force is required to cause the two portions of the split bush to close on the shank and hold it securely. As the two portions are forced in simultaneously the drill is perfectly centered whilst the action of the machine in operation tends to hold the drill more securely. When it is

required to remove the drill, a cotter is driven into the cotter hole (2) and the bush is forced outwards into the larger portion of the socket and the drill shank is free while the split bush is prevented from falling out by the pins (6).

For stamp batteries and the like, it is not necessary to remove the shank from the battery when broken close to the head. The portions of the split bush are placed on the end of the shank and dropped into the head. The end of the shank contacting with the solid end (4) of the bush, forces it into the tapered socket and after a few drops is held securely.

The bush and shank are removed by driving a cotter through the cotter hole (8) formed in the sides of the socket.(1).

It will be obvious that although we have shewn the application of the chuck to rock drills and stamp batteries only, it may be used for any purpose for which a self centering chuck is required such as for a lathe, drilling machine, carpenters brace or for shoeing wire ropes, or fitting on shovel handles or other such purposes in which it is required to attach a rod or shank to a socket.

Having now described the nature of our said invention and in what manner the same is to be performed, we declare that what we claim as novel is:-

1. In a chuck for rock drills and other purposes a split tapered chuck bush having a ledge or solid end against which the shank contacts to force the said bush into a tapered socket, and cause it to grip the shank for the purpose specified and as described and illustrated in the accompanying drawings.

2. In an improved chuck for rock drills and other purposes, a chuck consisting of a tapered split bush conforming to a tapered socket, ledges or solid ends in the said split bush, flattened sides and pins retaining the bush in the socket whilst allowing it freedom of motion in the said socket, the whole forming a self gripping, self centering chuck for the purpose described and illustrated in the accompanying drawings.

3. In a chuck for rock drills and other purposes a split bush having its sides cut away and its upper and lower ends tapered to conform to the socket and having a ledge or solid end in combination with pins passing through said socket said pins being adapted to retain the bush within the socket, substantially as and for the purposes specified and as illustrated in the accompanying drawings.

(7)

The applicants therefore apply for leave to file a specification of the invention pursuant to Part 1 of the Inventions and Designs Act, 1888.

William. Edward. Harding

John Hunter

Signatures of Applicants.

Bubbams
Advocate
Agent for the above
mentioned gentlemen

We, the abovenamed applicants, do declare that the facts stated in this application are true to our knowledge, except as to matters stated on information and belief, and as to those matters we believe them to be true.

William. Edward. Harding

John Hunter

Signature of Applicants.

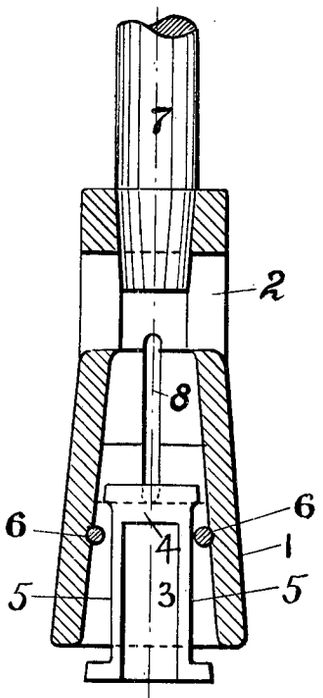


Fig 4.

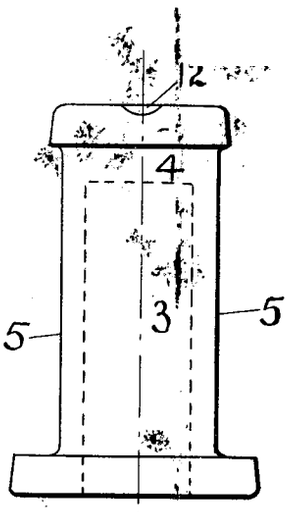


Fig 2.

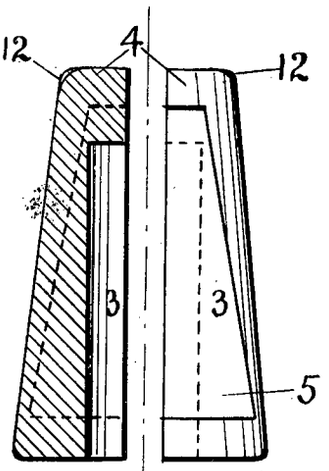


Fig 1.

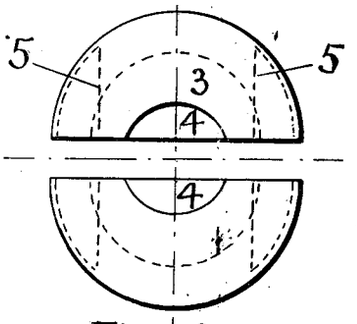


Fig 3

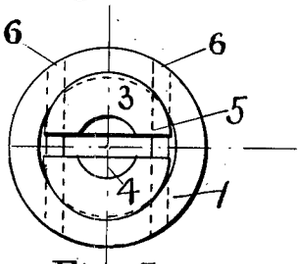


Fig 5.

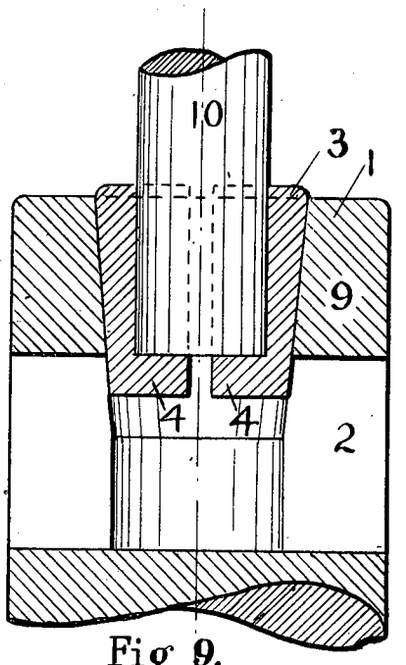


Fig 9.

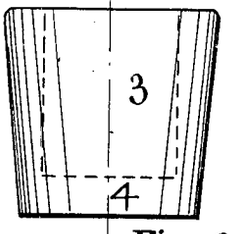


Fig 6.

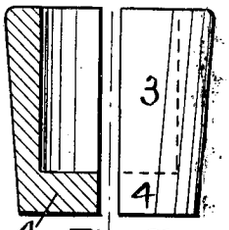


Fig 7.

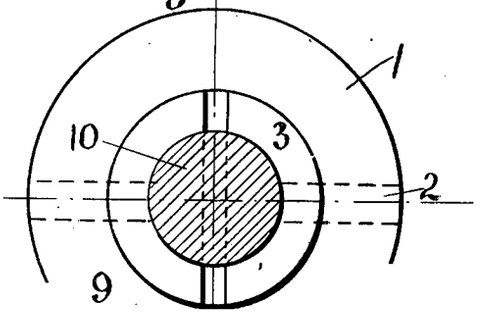


Fig 10.

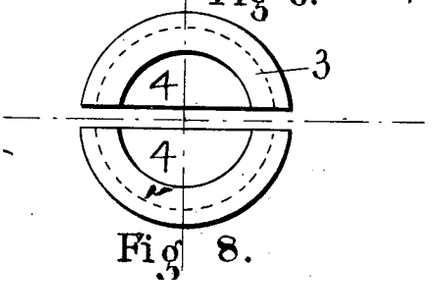


Fig 8.

5036/26

(9)

G.R.S. 26]

File No. 282–10

Serial No. 2

Diary No. of letter replied to

No. G 7195 Enc 1

General and Revenue Secretariat

( )

, *the* 19 .

To

M^r. B. Subbanna B.A., B.L.

Advocate Bangalore

Sir,

Date of issue 9 - 6 - 11

Signed by M.S.B. Ramaswamaya

In returning herewith the Power of Attorney received with the applⁿ. of Messrs W.E. Harding and J. Hunter of Australia for leave to file a Specification of their invention for "Improvements in chucks for Rock Drills & other purposes", I am directed to observe that the words "the said M^r. Subbanna" have to be inserted after 'authorise' in

over.

SUBJECT.

(10)

the 2nd sentence and to request that the names may be inserted and the Power of Attorney returned. This insertion as well as the insertion (in ink) in the first sentence require the attestation ~~attestors~~ of the applicants.

I have it.

1/6/14

2 copies

Enc.

List of enclosures,

Copied by 8/6/14

Examined by

GPB—20,000—12-6-10

(11)

G. M. 282-10-3

B. SUBBANNA B. A., B. L.,
ADVOCATE,
BALEPET,

Bangalore City 12th June 1911.

V.
We may accept
this & proceed
further with the case.
12/6/11
D 5-1952
5

To

B. Ramaswamaya Esq B.A.B.L.

Asst. Secretary
To the Government
of
Mysore

Sir

I beg to present again herewith
the power-of-attorney in my favour
by mssrs W.E. Harding & J. Hunter of
Australia amended and attested
as per your letter dated 9th instant

I have the honour to be
Sir
Your most obedient
Servant
B Subbanna

money & cover if
W.P.
21/6/11

3 files

G.R.S. 29A]

(12)

19

From

Secy. to the Govt. of His Highness
The Maharaja of Mysore,
Genl. and Rev. Dept.

To

The Dy. Comm^r. Inf. Deptt

Dated Bangalore.

Despatched 24th June 1911

Received

General No. G7466

No. Gen 282-10-4.

Enclosure No. with Rs 10/-

5195
16/6

Has the honor to forward herewith for credit a sum of Rs 10. being the applⁿ. fee in respect of the invention of William Edward Harding & John Hunter for "Improvements in chucks for Rock Drills & other purposes." and to request the favour of an acknt.

Bo.
15.6.11
for Coltg. Secy.

Cash Rs
21-6-11

Money & cover sp
27/6/11

SDS

G.R.S. 29A]

(13)

19

From

Secy. to the Govt. of His Highness
The Maharaja of Mysore,
Genl. and Rev. Dept.

To

The Supdt of Stamps.

Dated

Despatched 24th June 1911

Received

General No. G 7467

No. Cyn 282-10-5.

Enclosure No. 1 power of attorney & receipt

5195/16.

Has the honor to forward herewith a Power of Attorney constituting Mr. B. Subbanna as agent for Messrs W. E. Harding and John Hunter and to request that it may be impressed with a general stamp of the value of Re. 1 and returned to this office.

Dy.

15-6-11

Copies 21-6-11

Secy to Govt
Genl

G.P.B.—20,000—24-10-10.

34

305 X

G.R.S. 29A]

(14)

19 .

From

Secy. to the Govt. of His Highness
The Maharaja of Mysore,
Genl. and Rev. Dept.

To

The State Geologist.

Dated

Despatched 24th June 1911

Received

General No. G 7468

No. Gen 282-10-6

Enclosure No. 1.

5195/1916

Has the honor to forward herewith for enquiry & report under Part I of the Inventions & Designs Regln. XI of 1894 the applcn. of Messrs W. E. Harding & John Hunter of Australia for leave to file a specification of an invention for "Improvements in Chucks for Rock drills & other purposes."

Reference is invited in this connection to the specification forwarded with this office

X Return requested

GPB—20,000—24-10-10.

Ticket no. S-9.1000

9.m 84-04-2 cg

17-8-1904, Span in ventilator

"Shafts in chucks or tool holders for rock drilling machines."

B.O.

15-6-11

2 cl/hg. leg

hm.

Copied 21/6/11

Office Superintendent of Stamps
in Mysore
Dated 27th June 1911

V.
28/6 pr

D 5431
5

(16)

From

N. Krishna Rao Esqr B.A.B.L

Rs 2-5
Two stamped Power of attorney

Superintendent of Stamps
in Mysore.

Gm 282-10-)

To

C. S. Balasundram Iyer Esqr
officiating Secretary to Govt
of Mysore
General & Revenue department

Sir

I have the honor to Return herewith, duly Stamped, the Power of attorney received with your docket No G-7467 dated the 24th* Gm. 282-10-5 Instant, and to request the favour of an acknowledgment.

* Rec'd today

I have the honor to be
Sir
Your most obedient Servant

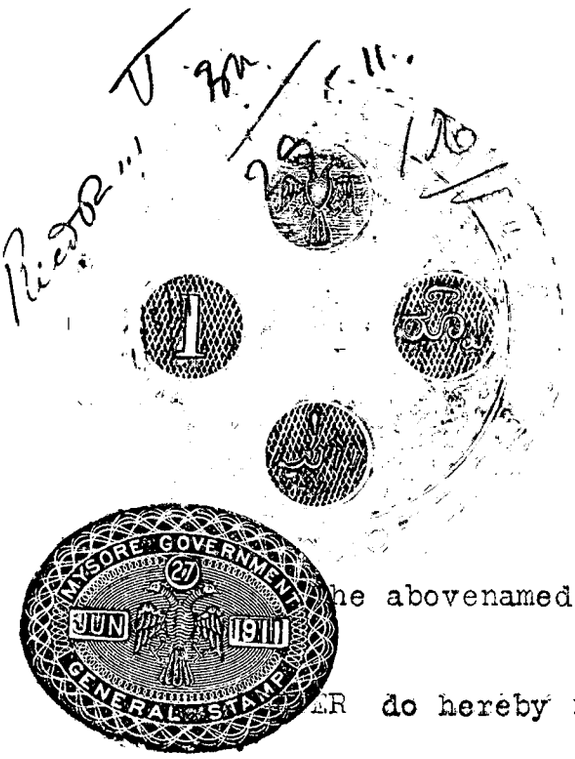
Superintendent of Stamps
in Mysore.

a/gs

V.P.

POWER of ATTORNEY.

(17)



In the matter of the Inventions and Designs Regulation of 1894, of the Legislative Council of Mysore and in the matter of WILLIAM EDWARD HARDING and JOHN HINTER of Western Australia, Commonwealth of Australia.

The abovenamed WILLIAM EDWARD HARDING, and JOHN HINTER do hereby retain, constitute and appoint Mr B. Subbanna Bg. Bl. Advocate as our Agent and Attorney to apply for and obtain from the Government of Mysore an Exclusive Privilege or Letters Patent for an Invention, Improvements in Chucks for Rock Drills and other purposes. And we authorize the said Mr Subbanna to sign our name to such papers and writings and do such acts, including the appointment of a substitute or substitutes. regarding the same as may be necessary or expedient. Dated this 14th day of March 1911

William Edward Harding

Signed, sealed and delivered .....

in the presence of-- John Hunter

Philip George Page McCulloch.

.....

William George Manner

.....

Accepted
B Subbanna
Adv.
29.5.'11.

(18)

G M. 282 - 10 - 8

D 5432

Book No. 1012 G. No 82 432

Rs 10-0-0

Bangalore District Treasury dated 27th June 1911

Received from The Secretary General Revenue Department

Rupees Ten

Annas Nil and Pies Nil being on account of

Application fee in respect of the Inventions of William Edward Harding & John Bunten for "Improvements in Chucks for Rock Drills and like purposes"

H Rammiah

In charge of Treasury.
Bangalore District.

G.R.S. 29A]

19 .

(19)

From

Secy. to the Govt. of His Highness
The Maharaja of Mysore,
Genl. and Rev. Dept.

To

The Superintendent
of Stamps

Dated

Despatched 4-7-11

Received

General No. G. 34.

No. Gen 282-10-9

Enclosure No.

Has the honor ~~to forward~~ herewith for credit to acknowledge the receipt of the Power of Attorney & returned duly stamped with his letter no 215 of 27-6-1911.

BO.
30.6.11
for Secy. to Govt.

GPB—20,000—24-10-10.

M.G.D. 13]

MYSORE GEOLOGICAL DEPARTMENT.

Dated Bangalore, 6th July 1911.

No. 31.

D 112/9

G.M. 282-10-10

From

E. W. WETHERELL, Esq., A.R.C.S., F.R.P.S.L., F.G.S.,
Offg. State Geologist in Mysore.

To

C.S. Balasundaram Iyer, Esquire, B.A.,
Offg. Secretary to the Government of His Highness the
Maharaja of Mysore, Gen. & Rev. Depts.

Sir,

With reference to the 2nd para of your docket No. 7468/G.M. 282-10-6, dated 24th June 1911, I have the honour to request that you will be so good as to forward to this Office for reference and record a copy of the Specification of an invention for "Improvements in chucks or tool holders for rock drilling machines" referred to therein.

I have the honour to be,
Sir,
Your most obedient servant,

Offg. State Geologist in Mysore.

GPB—480—4-1-11

WR/47

G.R.S. 26]

(4)

File No. 2821

Serial No. 11

Diary No. of letter replied to

No. G. 376

General and Revenue Secretariat

( )

, *the* 19 .

To

The State Geologist.

Sir,

Date of issue 18-9-1911

As desired in ~~With ref^e to~~ your letter

Signed by M^r B Narayanaswami

No. 31 G. 6^15 in M^t., dated directed to forward herewith a copy of the specification of the invention of Wm. Charles Stephens for "Improvements in chucks or tool holders for rock drilling machines."

I have the

Rs.

Delhi

Rs.

over.

M/s Lodge Telegraphs

Please send me 4 of the copies in the ref^d file & for the file attached copies.

B

SUBJECT.

List of enclosures,

Copied by

Examined by

GPB—20,000—26-9-10

M.G.D. 13]

MYSORE GEOLOGICAL DEPARTMENT.

Dated Bangalore, 30th Aug. 1911.

DIARY No. 971

19|| -19|2
SECTION G. M.
FILE No. 282-10
SERIAL No. 12

No. 509
Encls two.

From

E. W. WETHERELL, Esq., A.R.C.S., F.R.P.S.L., F.G.S.,
Offg. State Geologist in Mysore.

To

C.S.Balasundaram Iyer, Esquire, B.A.,
Offg. Secretary to the Government of His Highness
the Maharaja of Mysore, Genl. and Rev.Depts.

Sir,

With reference to your docket No.G.7468/G. M.282-10-6, dated 24th June 1911, I have the honour to forward herewith a copy of the report of the Offg. Chief Inspector of Mines in Mysore on the application of Messrs. W.E.Harding and John Hunter of Australia for leave to file a specification of an invention for "Improvements in chucks for Rock drills and other purposes.'

2. The enclosures to your letter above referred to are returned herewith.

I have the honour to be,
Sir,
Your most obedient servant,

E W Wetherell

ffg. State Geologist in Mysore.

GPB—480—4-1-11

(23)

Report.

The application of Messrs. Harding and Hunter of Australia differs in most respects from that of Mr.W.C.Stephens of England whose invention has, I gather, been already patented, although the object, as far as rock drilling machines are concerned, is the same.

In both cases the chuck is so designed and constructed as to take drill steel of any shape, but whereas the latter gentleman (Mr.Stephens) has invented a chuck or tool holder, one part of which is permanently attached to the piston head of a rock drill and the other is a combined gripping pad and wedge which operates in conjunction with a strap or stirrup (known as a U bolt) connected to the fixed part of the chuck, obviating the necessity for employing a loose intervening piece between the tool and the wedge, the former (Messrs. Harding and Hunter) rely on a cylindrical chuck head with a tapered socket into which fits a split bush, likewise tapered on the outer surface, which is recessed to within a short distance of the small end. By means of flattened sides and pins the bush is retained in the socket and still has freedom of motion, the whole forming a self gripping, self-centering chuck. The drill steel, &c. is removed by driving in a cotter through a cotter way opening.

With this chuck it is maintained that there are no bolts or fittings that can cause trouble by becoming loose and no parts of the machine can become detached and be mislaid.

It appears that Mr. Stephens's invention is much simpler and more practical than that now put forward in regard to chucks for rock drills, but that leave may be granted to file Messrs. Harding's and Hunter's specification, inasmuch as it is

for

for other purposes, including rock drills.

Signed/ R.Bocquet,
Offg. Chief Inspector of Mines
in Mysore.
23rd August 1911.

Copy.

Ewmetherell
Offg. State Geologist in Mysore.
29. 8. 1911.

G.R.S. 26]

(25)

G m File No. 282-C

Serial No. 13

89

Diary No. of letter replied to 971

No. G. 1656.

General and Revenue Secretariat

( )

, the *19* .

To

B. Subbarama Lg. B.A., B.L.

Advocate, Bangalore.

Date of issue 16. 9. 11

Sir,

Signed by

Mr. B. Ramaswamayya.

With refce to the applⁿ. of Messrs W. E. Harding and J. Hunter of Australia for leave to file a Specification of their invention for "Improvements in chucks for rock-drills and other purposes", I am directed to enquire whether progress has been made in regard a similar applⁿ which was proposed to be made in the United Kingdom

over.

SUBJECT.

(9'c) furnished

and to request to be ~~informed~~ certified

with a copy of the order, if any, passed

thereon. I am also further to ask

whether any applⁿ has been made

in British India.

I have &c.

6.9.11

Delhi Secy

US. 41

List of enclosures,

Copied by

Examined by

GPB—20,000—25-9-10

Papers sent by Asst Mahbubiya V

Please attend this early. Re enclosure may be replied after receiving the reports from Port Officer

27-11-11

DIARY No. 2282 G

1911-1912

SECTION Jen & Mis

FILE No. 282 of 1910-11

SERIAL No. 14

To

The Government of His Highness
The Maharaja of Mysore.

In the general and Revenue Secretariat.

From.

B. Subbanna B.A. B.L.
Advocate
Bangalore

To

C. S. Balasundaram Aiyar Esqr B.A
Officiating Secretary to the Government
of H. H. the Maharaja of Mysore
General and Revenue Department.

Sir,

In reply to your letter No. G.1656
Gen. 282-10-13

dated 14th September 1911, requiring me to state what progress has been made in regard to the application proposed to be made in the united Kingdom for leave to file a specification similar to the one presented to the Government of Mysore by Messrs W. E. Harding and J. Hunter of Australia,

I have the honour to state that an application was made in British

(28)

India and leave was granted to file a and specification was filed as per duplicate herewith submitted for your kind perusal and return.

I have the honour to be
Sir
Your most obedient Servant

B Subbanna
Advocate

24th Nov 1911.
Bangalore.

2965

(29)

GOVERNMENT OF MYSORE

General Department.

No G 3140
G.M 282-10-15

Register No. 9 of 1910-11.

Bangalore, the 18th Dec Nov 1911.

WHEREAS an application, dated the _____ and received on the 29th May 1911, has been submitted under Section 5 of the Mysore Inventions and Designs Regulation, 1894, by William Edward Harding, Engineer, and John Hunter, Underground Manager, both of Daywhurst in the State of Western Australia, Commonwealth of Australia,
(hereinafter referred to as "the applicant") for leave to file a specification of an invention for "Improvements in chucks for rock drills and other purposes",

And whereas the applicant has duly complied with all the requirements of Section 5, of the said Regulation;

The Government of Mysore are pleased, under Section 6 of the said Regulation, to authorize the applicant to file a specification of the said invention in accordance with the provisions of the said Regulation.

ORDERED, that the applicant be, and he is hereby, informed accordingly.

By Order of the Government of Mysore,

Draft) 28/11/11

for Secretary to the Govt. of Mysore,
Gen. and Rev. Depts

VS. 47

Certified that the fees prescribed in the fourth schedule to the Mysore Inventions and Designs Regulation, 1894, in respect of the application for leave to file the said specification and of the filing thereof have been paid by the applicant, and that the specification hereinbefore described has been duly filed in accordance with the provisions of Section 8 of the said Regulation on this the Eleventh day of January 1912.

Draft) 12.1.12

for Secretary to the Govt. of Mysore,
Gen. and Rev. Depts.

VS

(*Section* 8 *of the Inventions and Designs Regulation*, 1894.)

8. (1) If within six months from the date of an order under Section 6, Sub-Section (1), or within such further time, not exceeding three months, as the Government of Mysore, in its discretion, may, on cause shown to its satisfaction and on payment of the fee prescribed in that behalf in the fourth schedule, see fit to allow, the applicant causes a specification of his invention to be filed in manner by this Part required, and the fee prescribed in the fourth schedule in respect of the filing of the specification to be paid, the applicant shall, subject to the other provisions of this Part, be entitled to the exclusive privilege of making, selling and using the invention in the Territories of Mysore, and of authorizing others so to do, for a term of fourteen years from the date of the filing of the specification.

(2) But an exclusive privilege in respect of an invention of a new manufacture shall, notwithstanding anything in Sub-Section (1), cease, if the inventor fails to pay, within the time limited in that behalf by the fourth schedule, any fee prescribed in that schedule in respect of the continuance of the privilege.

(3) If, nevertheless, in any case, by accident, mistake, or inadvertence, an inventor fails to pay any such fee within the time so limited, he may apply to the Government of Mysore for an enlargement of the time for making the payment.

(4) Thereupon the Government of Mysore may enlarge the time accordingly, on payment of the fee prescribed in that behalf in the fourth schedule, and subject to the following conditions, namely:—

(*a*) the time for making a payment shall not in any case be enlarged for more than three months; and

(*b*) if any suit is instituted in respect of an infringement of the exclusive privilege committed after a failure to make a payment within the time limited for the making thereof and before the enlargement of that time, the Court disposing of the suit may, if it thinks fit, refuse to award or give any damages in respect of the infringement.

G.P.B—150—30.7.06

2845

(31)

G.R.S. 26] 2911

Gen File No.282-10

Serial No, 16

Diary No. of letter replied to 2282

X

No. G 3141. Ellis 2

General and Revenue Secretariat

( )

, *the* 19 .

To

B. Subbanna Esqre, B.A, B.L

Advocate, Bangalore

Date of issue 1. 12. 1911

Signed by Mr. Ramaswamayya

Sir,

~~I am directed~~. With refce to correspondence ending with your letter of the 27th instant, I am directed to forward herewith Govt Order No. G 3140 Gen 282-10-15 dated 1st Dec. 1911, granting leave to file a specification of an invention for "improvements in chucks for rock drills and other purposes" by William

over.

SUBJECT.

copied 2/11/11

Edward Harding, Engineer and
John Hunter, Underground Manager,
both of Daveyhurst in the State of
Western Australia.

2. The duplicate of the Govt
of the India Order Regd No. 237 of
1911, dated the 7th June 1911, received
with your letter under reply, is
herewith returned.

I have &c,

28/11/11

For Off Secretary

C#29
28.11.11.

US. 41

List of enclosures,

Copied by

Examined by

GPB—10,000—28-2-11.

Rec'd Rs. 30/-
Mistg
10/1/12

(33)

DIARY No. 28/14

1911 - 1912
SECTION Gen: Mis
FILE No. 282 of 1910-11
SERIAL No. 17

To

The Government of Mysore.

Re William Edward Harding & John Hunter's application to file a Specification.

B. Subbanna advocate Attorney for the above said Messrs William Edward Harding & John Hunter respectfully submits herewith Rs. 30/- in Cash and 4 copies of the Specification with a prayer that the said specification may be filed.

The order granting leave to file is also herewith submitted.

5/1/12.

B. Subbanna
Advocate

2 Copies

2819 12/1/12

No. 4 Offs

MYSORE GOVT. GEN. & REV. SECRETARIAT,

Dated Bangalore, 17th January 1902

No Cr 3744.
Gr. M 282-10-18.

NOTIFICATION.

(PATENT.)

The following specification of an invention has been filed in accordance with Sections 8, 9, 10 and 11 of Regulation XI of 1894 (The Inventions and Designs Regulations) and is open to inspection at the Mysore Government Secretariat on application to the Secretary to the Government of His Highness the Maharaja of Mysore, General and Revenue Departments, and on payment of a fee of one Rupee.

By William Edward Harding, Engineer, and John Hunter, Underground Manager, both of Daveyhurst in the State of Western Australia, Commonwealth of Australia,

"Improvements in chucks for rockdrills and other purposes."

By Order,

Dft) 12.1.12

For Secretary.

V5:41

To

The Compiler, *Mysore Gazette*, for publication

Copies 13/1/12

2819/1912

(35)

No. G 3745
G.M. 282-10-19

Ene 2 Drafts

MYSORE GOVT. GEN. & REV. SECRETARIAT

Dated Bangalore, 17th January 1912.

From

The Secretary to the Government of H. H. the Maharaja of Mysore,
General and Revenue Departments.

To

B. Subbanna Esqre, B.A.B.L.
Advocate, Bangalore.

Sir,

With reference to your letter dated the 5th January 1912, I am directed to forward copy of a Notification No. G 3744/GM 282-10-18 dated 17th Jan'y 1912 issued by this Government in regard to the invention filed by you under Regulation XI of 1894 (The Inventions and Designs Regulations.) for communication to the party concerned.

The order granting permission to file specification is herewith returned, with the certificate at foot, duly filled in and signed.

I have the honor to be,
Sir,
Your most obedient servant,

12.1.12

for the Secretary.

VS. 47

Copies 13/1/12

4 Dft's

-3-

G.R.S. 29A]

19

From

The Asstt Secy. to the Govt. of His Highness
The Maharaja of Mysore,
Genl. and Rev. Dept.

To
(1) The Chief Engineer
(2) Supdt, Govt Museum.
(3) State Geologist in Mysore

Dated

Despatched 17.1.12

Received

General No. G 3746-8.
No. G.M.282-10-20

Enclosure No. 1

Has the honr to forward herewith for record in his Office a copy of a specification in respect of an invention for "Improvements in chucks for rock drills and other purposes" by messrs William Edward Harding and John Hunter, both of Daylesford, Australia, and to request the favor of an acknowledgment for the receipt thereof.

By Order,

12.1.12

For Asstt Secretary

V.S. 41

GPB—20,000—24-10-10.

Recd 19/1/12
Issued & enclosed 19/1/12
To Bs & K all
18/1/12

G.R.S. 29A] 4 Dfts

19 .

From

The Secy. to the Govt. of His Highness
The Maharaja of Mysore,
Genl. and Rev. Dept.

To

The Deputy Commissioner,
Treasury Dept to,
Bangalore

Dated

Despatched 17th January 1912

Received

General No. Cr 3749.
No. Cr-M 282-10-21

Enclosure No. Rs 30/-

Has the honor to forward herewith a sum of Rs 30/- being the fee received from Mr. B. Subbamma, Advocate, Bangalore and payable under Cl (2) Schedule IV of the Mysore Inventions & Designs Regulation XI of 1894, for filing a specification of an invention for "Improvements in chucks for rock drills and other purposes" by Messrs William Edward Harding and John Hunter of Davyhurst, Australia, and to request the favor of an acknowledgment for the receipt of the amount. By Order,

12.1.12

for the Secretary

US. 4?

2809/12/4/12

Cr 3749/12/1/12

GPB—20,000—24-10-10.

D

19.1.12

No. 2998 38

JAN -1912
SECTION for Mis
FILE NO. 2282 of 1910

Rs 30/- Book No. 1014 No. 24 A.D. 22

Bangalore Treasury dated 18 - 1 - 1912

Received from Secretary to the Govt Engineering Gazetteer Revenue

Rupees Thirty only

Annas — and Pies — being on account of

fee for filing a Specification of an invention

H W Jarvis
In charge of Treasury.
Bangalore

D. Murty

noted. May be sent to Mys

for further action

Jo Br V

19.1.12

19/1/12

M.G.D. 13] MYSORE GEOLOGICAL DEPARTMENT.

Dated Bangalore, 22nd January *1912* .

DIARY No. 3090

No. 1258

1911-1912
SECTION Gen : Mis
FILE No. 282 of 1910-11
SERIAL No. 23

From H. Kelsall Slater, Esq, F.G.S.,
In charge
~~E. W. WETHERELL, Esq., A.R.C.S., F.R.P.S.L., F.G.S.,~~
~~*Offg. State Geologist in Mysore.*~~

To

C.S. Balasundaram Iyer, Esquire, B.A.,
Offg.Secretary to the Government of His Highness
the Maharaja of Mysore,Gen.& Rev.Depts..

SIR,

I have the honour to acknowledge the receipt of the copy of the specification, forwarded with your docket No.G.3746-8/G.M.282-10-20, dated 17th January 1912, in respect of "Improvements in chucks for rock drills and other purposes" by Messrs.William Edward Harding and John Hunter.

I have the honour to be,
Sir,
Your most obedient servant,

H. Kelsall Slater

State Geologist in Mysore.
(In charge).

C.N.

GPB—480—4-1-11

(40)

No. 94

OFFICE OF THE ECONOMIC BOTANIST,
SUPERINTENDENT, MYSORE GOVERNMENT MUSEUM,

Bangalore, dated 23rd January 1912.

DIARY No. 3109

1911 - 1912
SECTION for : mis
G.O. No. 282 of 1910-4
SPECIAL No. 24

FROM

G. H. KRUMBIEGEL, ESQ., F.R.H.S.,
Economic Botanist,
Superintendent, Mysore Govt. Museum,
Bangalore.

To

C. S. Balasundram Iyer Esq., B.A.,
offg. Secretary to the Govt. of H.H.
the Maharaja of Mysore,
Govt. and Rev. departments,
Bangalore

Sir,

I have the honor to acknowledge the receipt of a copy of a specification in respect of an invention for "Improvements in Chucks for rock drills and other purposes" by messrs. William Edward Harding and John Hunter, both of Wavy hurst, Australia, forwarded with your No. G. 3746-8 dated the 17th instant

G. H. 282-10-20

I have the honor to be

Sir,

Your most obedt. Servant.

G. H. Krumbiegel

Economic Botanist,
Supdt., Govt. Museum,
Bangalore.

V GA
24/1/12

1912

From

G. H. KRUMBIEGEL, Esq., F.R.H.S.,
Economic Botanist,
Supt., Mysore Govt. Museum,
Bangalore.

To C. S. Balasundaram Iyer Esqr. B.A.
Offg. Secretary to the Govt. of
H. H. the Maharaja of Mysore
Gen. and Rev. Dept.
Bangalore

Dated 23rd January 1912

Despatched — . . ———

Received

General No. 94
No..

Enclosure No.

Acknowledging the receipt of a Copy of Specification in respect of an invention for "Improvements in chucks for rock drills and other purposes" by Messrs. W. E. Harbon and John Hunter, both of Launceston Australia.

No. 841

MYSORE P. W. DEPARTMENT,
CENTRAL OFFICE.
Bangalore,..29th..January.....19P .

From

M. VISVESVARAYA, ESQ., M.I.C.E.,
Chief Engineer of Mysore
Bangalore.

DIARY No. 90

19/1 -1912
SECTION Gen : Mis
FILE No. 282 of 1910-11
SERIAL No. 25

To

C. S. Balasundaram Iyer, Esq., B.A.,
Secretary to the Government of
His Highness the Maharaja of Mysore,
General and Revenue Departments,
B A N G A L O R E.

Sir,

I have the honour to acknowledge the receipt of a copy of a specification in respect of an invention for " improvements in chucks for rock drills and other purposes " filed by Messrs. William Edward Harding and John Hunter, both of Davyhurst, - - Australia, forwarded with your No.G.3746-8/G.M.282-10-20 dated the 17th January 1912.

I have the honour to be,
Sir,
Your most obedient servant,

M. Visvesvaraya

Deputy Chief Engineer of Mysore.

V GA
3/11

191

MYSORE P. W. DEPARTMENT.

No. 84

From

THE CHIEF ENGINEER OF MYSORE,
Bangalore.

To The Secretary to the Govt.
-ment, Genl: & Rev: Depttts.

Dated Bangalore, 29th January 1912

Despatched

Enclosure No.

SUBJECT.

Acknowledging receipt of
a specification for an in-
-vention for improvements
in chucks for rock drills

GPB—2,000—4-8-11

16. To B. Subbanna Esq. D.A.B.L. No. G.3141 & 1.12.11.
Encloses the above and returns the enclosure & sl. 14.

17. From — do — Letter & 5.1.12
Forwards Rs. 30/- and four Copies of the specification and requesting the filing of the specification.

18. To the Compiler Mysore Gazette No. G.3744 & 17.1.12.
Notifies the filing of the specification of the above invention.

19. To B. Subbanna Esq. No. G.3745 & 17.1.12.
Forwards Copy of the above for communication to the party concerned.

20. To the Chief Engineer, Supdt Govt Museum & State Geologist No. G.3746-8 & 17-1-12.
Forwards for record in his office a Copy of the specification of the invention received in sl. 1,

21. To the Treasury Officer Bangalore No. G. 3749 & 17.1.12.
Forwards Rs. 30/- received with sl. 17 and requests acknt.

22. From — do — No. 24 & 18.1.12.
Acknowledges receipt of the amount ~~forwarded~~ with the above

23. From the State Geologist No. 1258 & 22-1-12
24 " " Supdt Govt Museum " 94 & 23-1-12
25 " " Chief Engineer " 841 & 25-1-12
} Acknowledges receipt of the specification forwarded with sl. 20.